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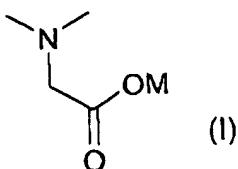
Abstract

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A composition for the surface treatment of metals and for the deposition of metals or metal alloys and plastics surfaces comprises

a) at least one polymer as component A, comprising at least one structural unit of the formula (I)

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where this structural unit may be part of a polymer main chain or may be bound to a polymer main chain via an anchor group, and

15 M is hydrogen or an ammonium or metal cation;

b) water or another solvent which is suitable for dissolving, dispersing, suspending or emulsifying the polymer (component A), as component B;

20 c) if required, surface-active compounds, dispersants, suspending media and/or emulsifiers as component C;

either

25 d) if required, a salt, an acid or a base based on transition metal cations, transition metal oxoanions, fluorometallates or lanthanoids as component D, and/or

e) at least one acid selected from the group consisting of phosphoric acid, sulfuric acid, sulfonic acid, nitric acid, hydrofluoric acid and hydrochloric acid as

30 component E, or a base

and/or

f) at least one metal oxide and/or metal salt as component F.

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Furthermore, in a process for the surface treatment of metals and in a process for the deposition of metals or metal alloys on a metal surface or plastics surface, the metal surface or plastics surface is brought into contact with a polymer (component A). Moreover, polymers (component A) are used for the surface treatment of metals and for the deposition of metals or metal alloys on a metal surface or plastics surface.

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